

FIG. 1A

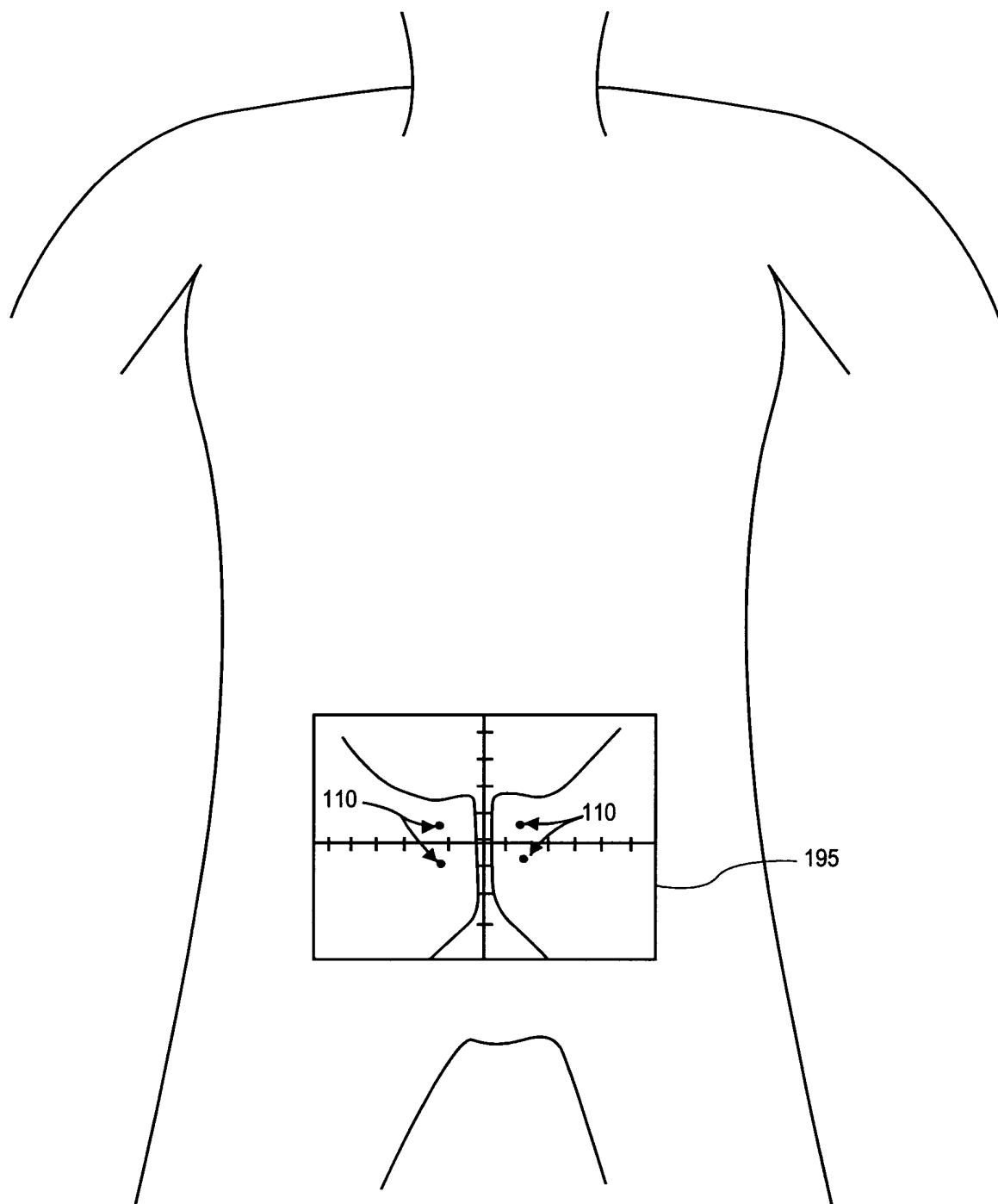


FIG. 1B

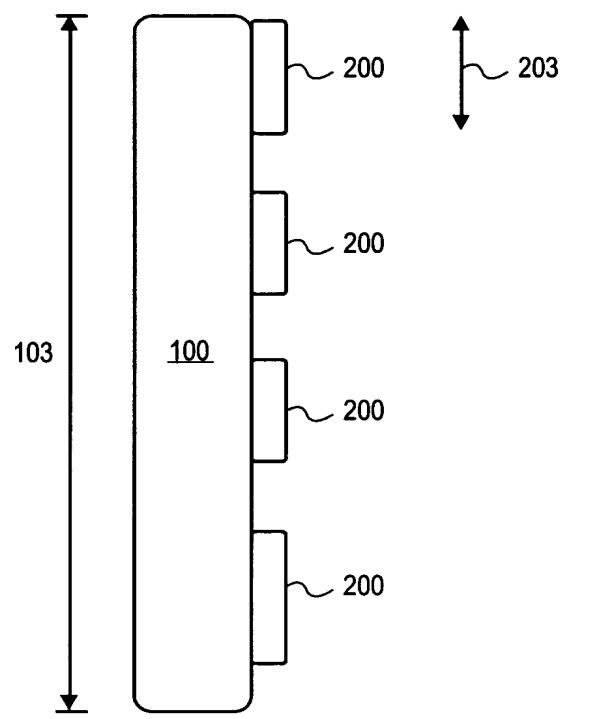


FIG. 2A

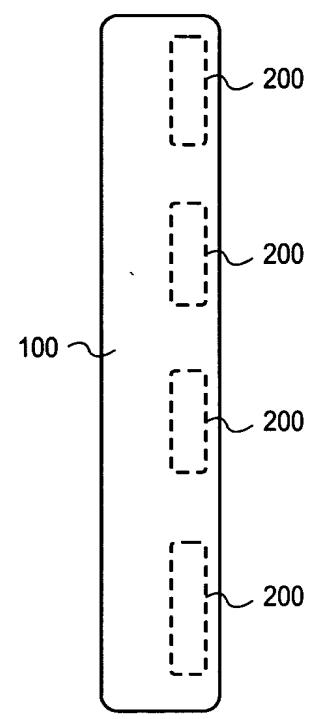


FIG. 2B

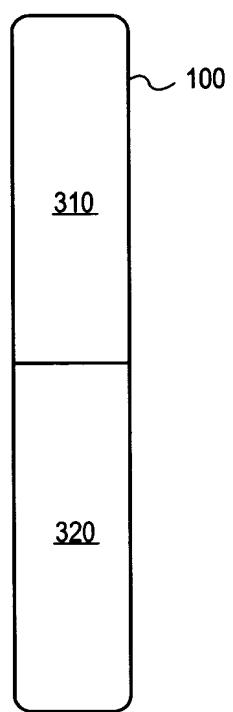


FIG. 3

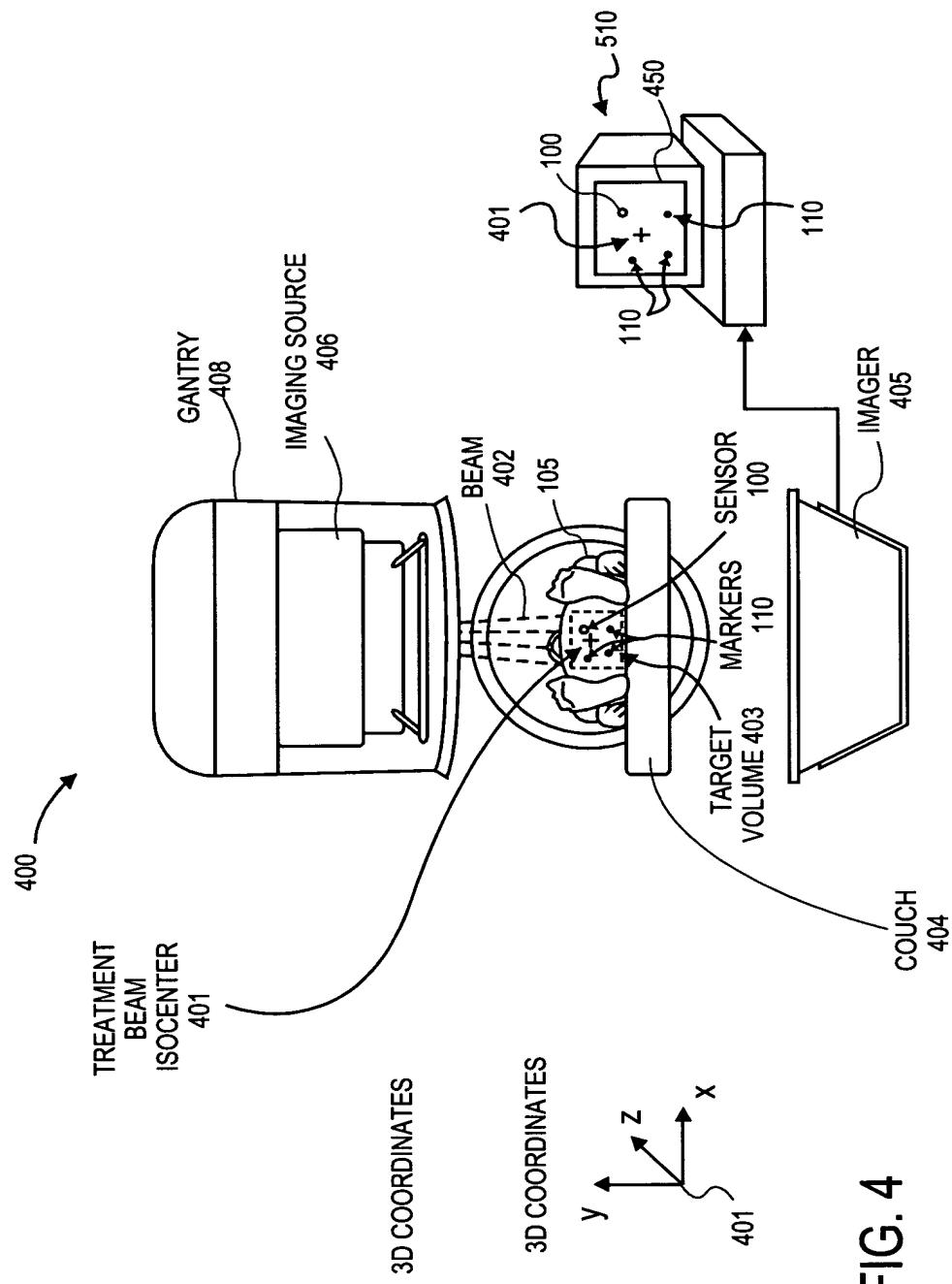


FIG. 4

DIGITAL PROCESSING SYSTEM 510

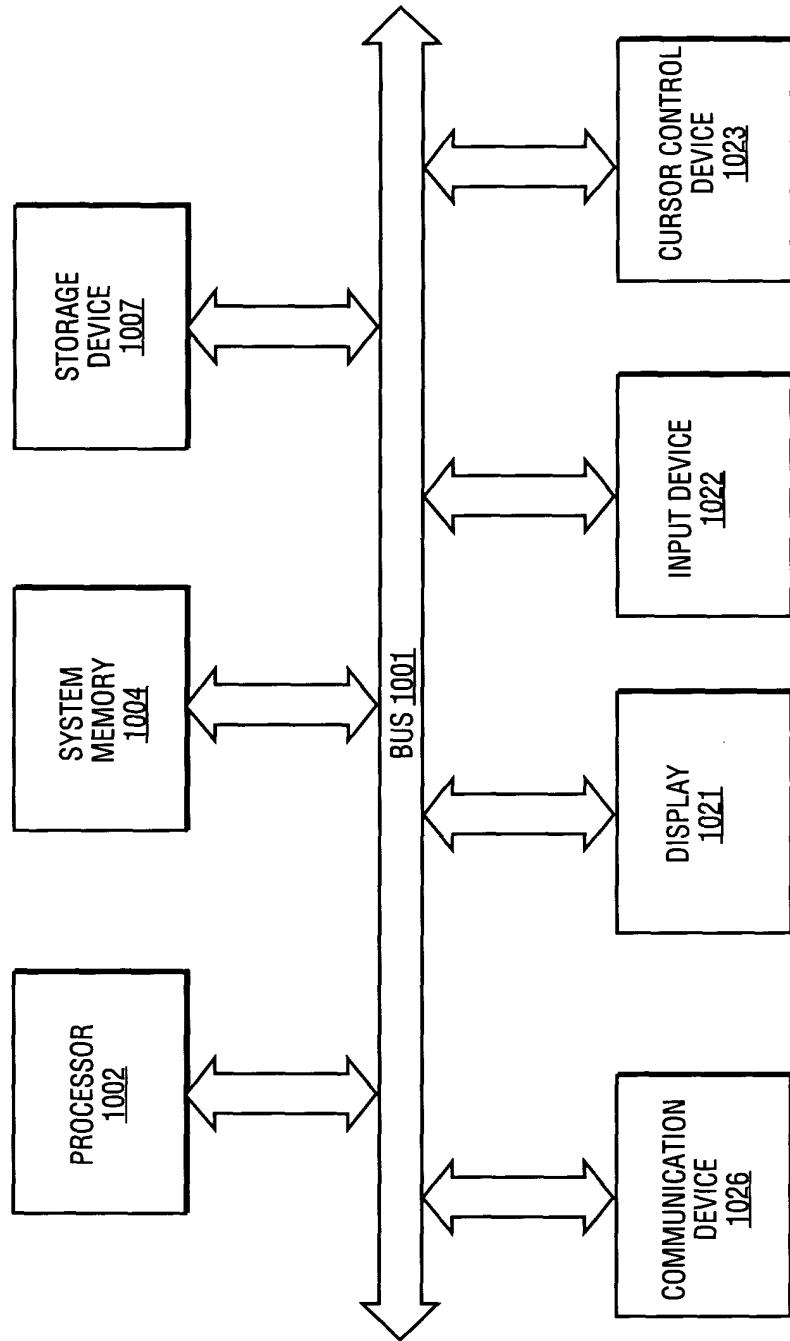


FIG. 5

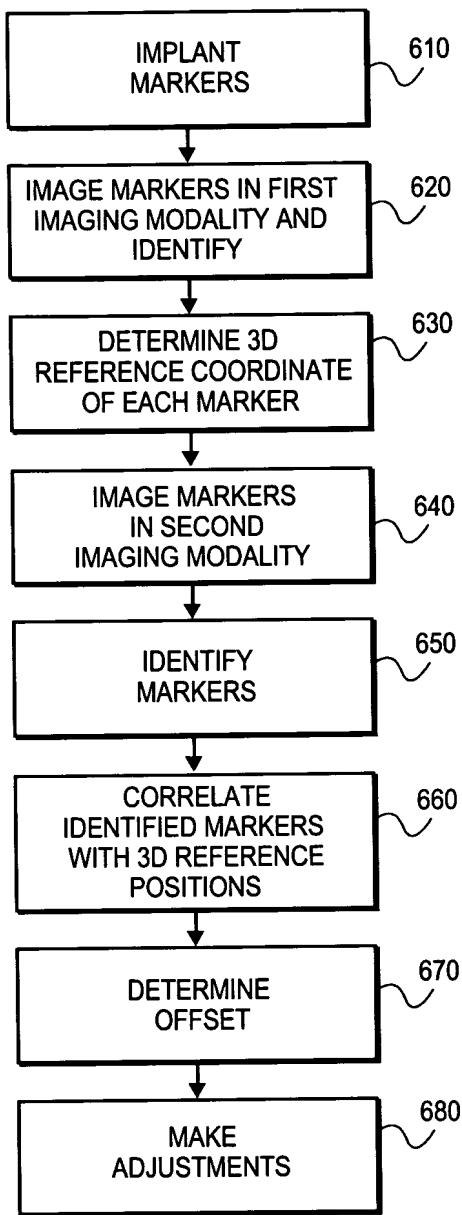


FIG. 6

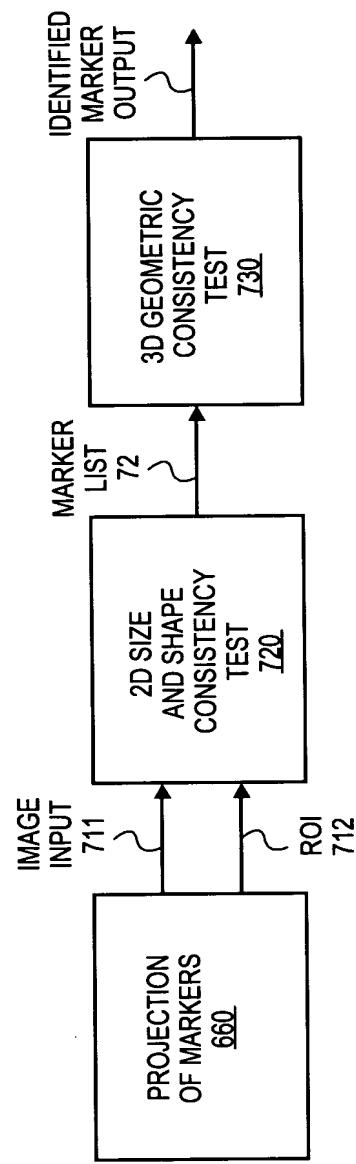


FIG. 7

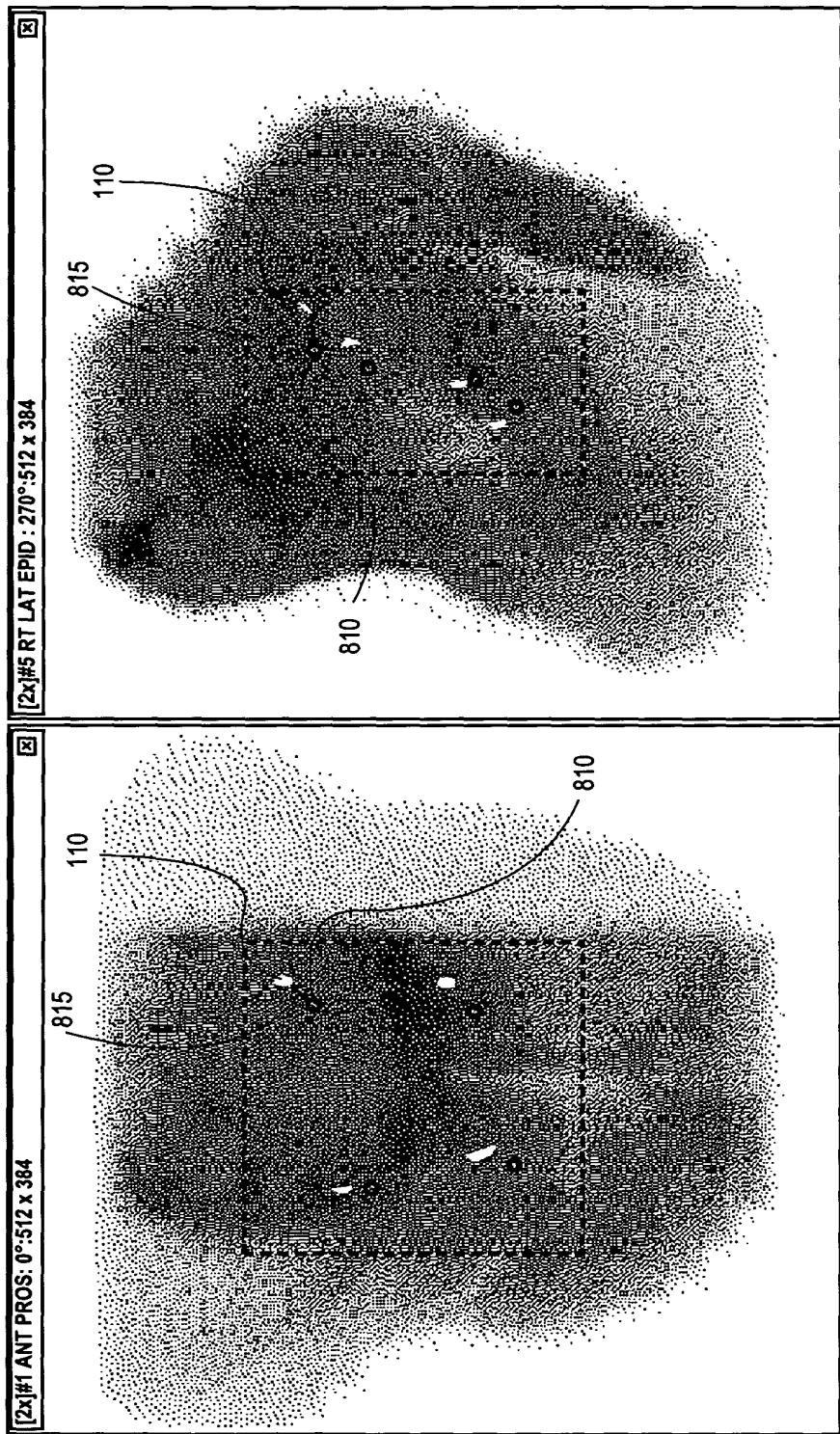


FIG. 8A

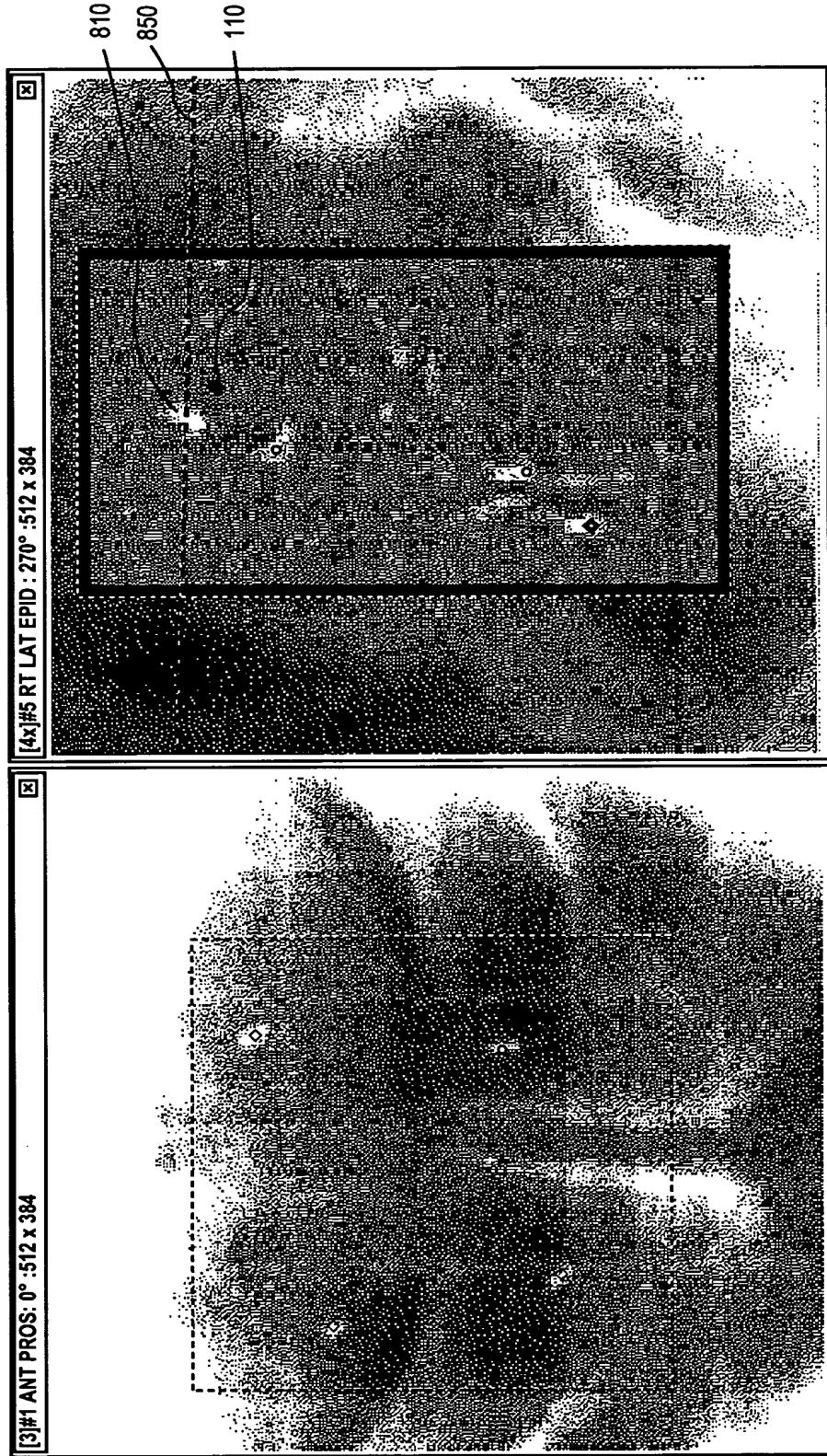


IMAGE A

IMAGE B

FIG. 8B

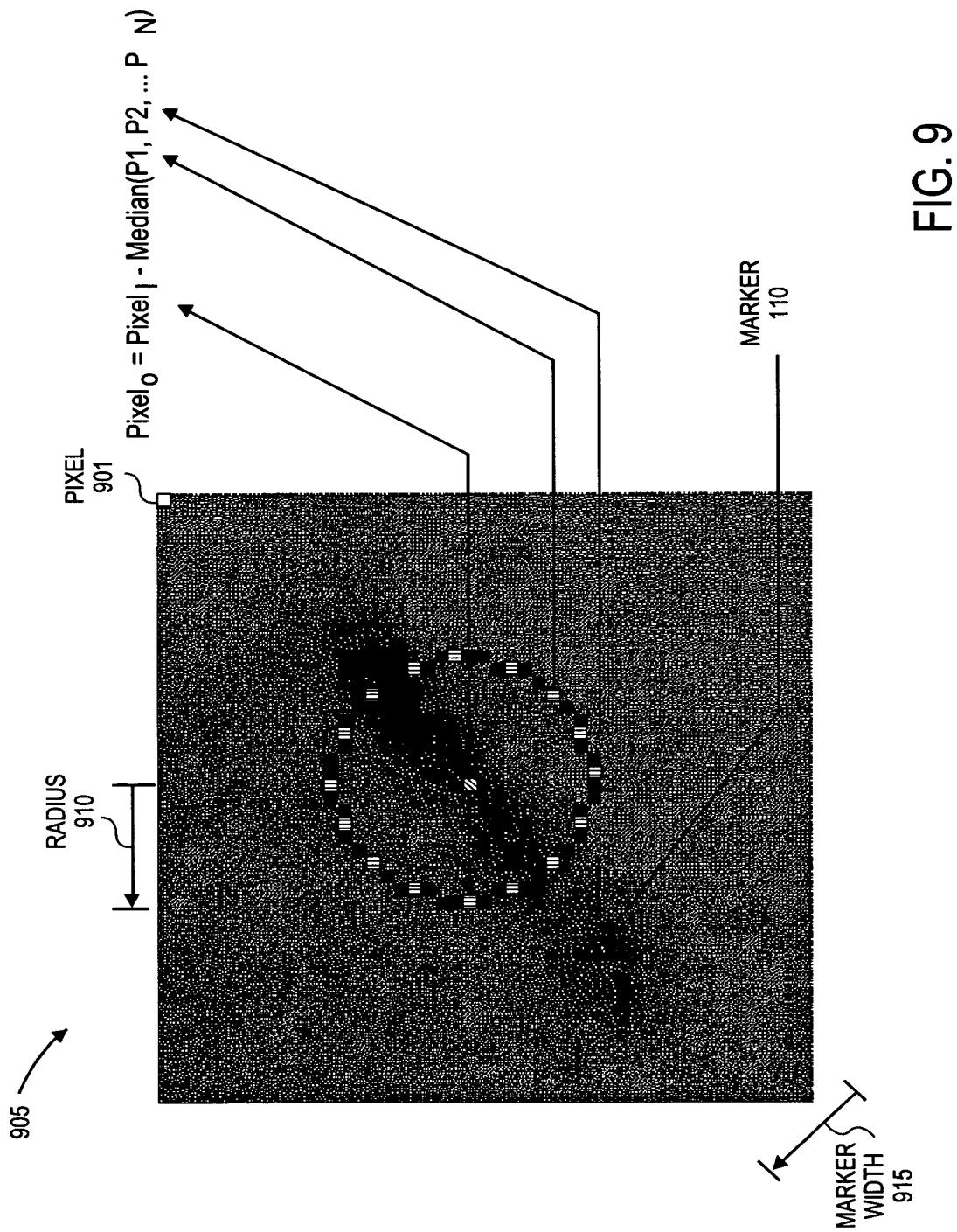


FIG. 9

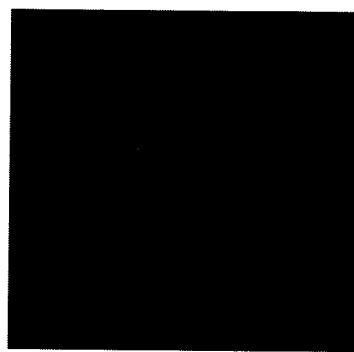


FIG. 10A



FIG. 10B



FIG. 11A



FIG. 11B

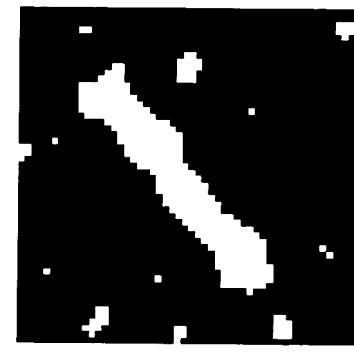


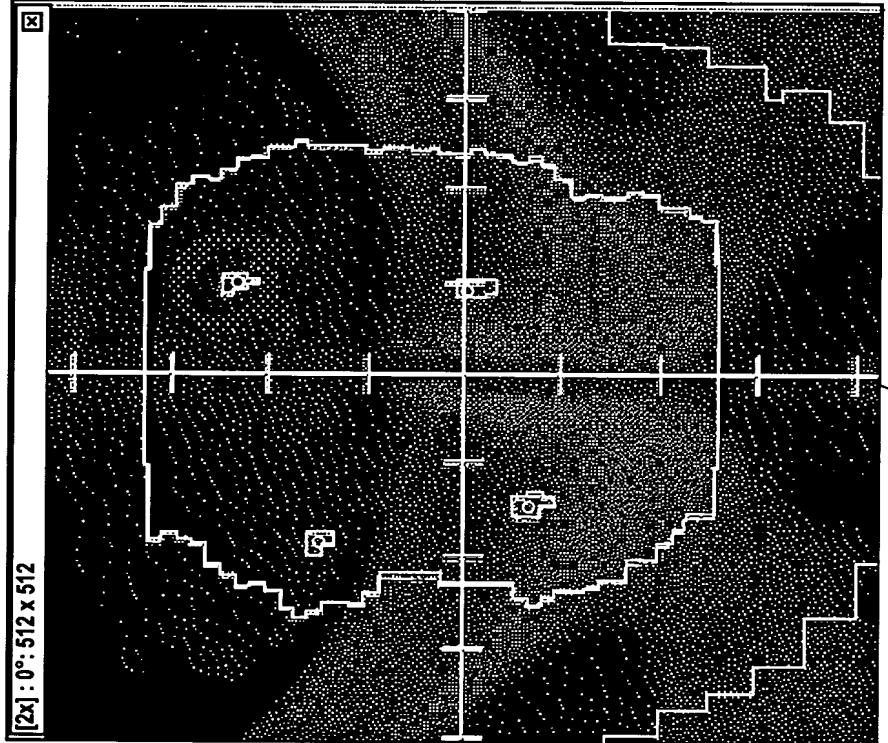
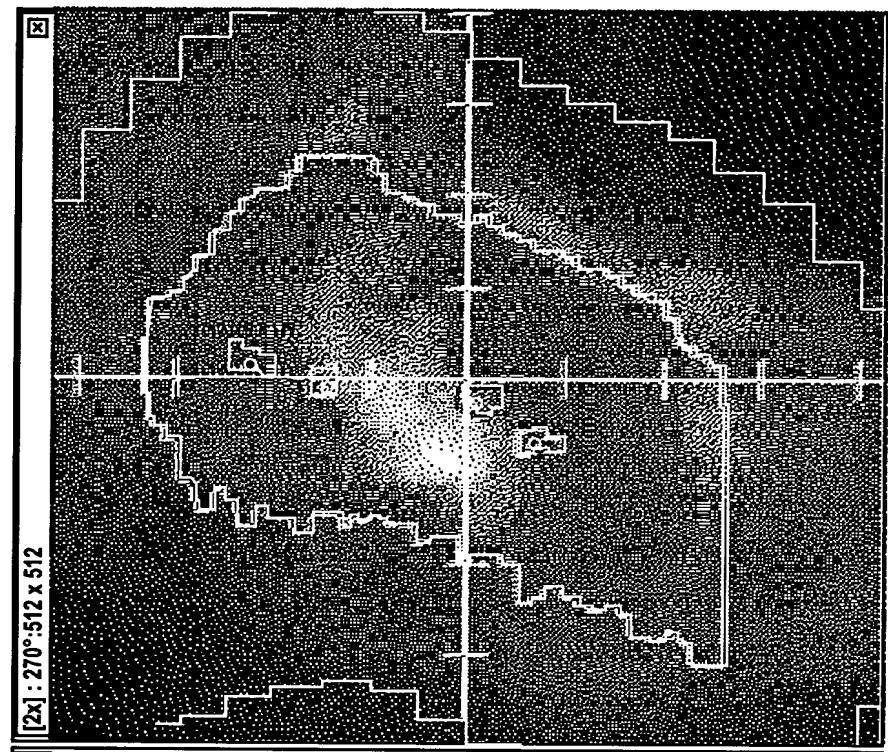
FIG. 12A



FIG. 12B

<u>Rigid or deformable target</u> <u>1310</u>	<u>Number of visible implanted markers</u> <u>1320</u>	<u>Number of positioning images in each treatment session</u> <u>1330</u>	<u>Adjustments that can be estimated</u> <u>1340</u>
<b>Rigid</b>	<b>Three or more</b>	<b>Two or more from different angles suitable for triangulation</b>	For each treatment field: patient position/orientation, MLC position/rotation
<b>Deformable</b>	<b>Three or more</b>	<b>Two or more from different angles suitable for triangulation</b>	For each treatment field: patient position/orientation, MLC position/rotation, MLC shape; the accuracy of MLC shape calculation depends on the number of markers and the spread of them in the target volume
<b>Rigid</b>	<b>Three or more</b>	<b>One - (preferably from the direction that markers are most visible)</b>	For all treatment fields: patients position/orientation; MLC position/rotation
<b>Deformable</b>	<b>Three or more</b>	<b>One - from the same angle as the treatment field</b>	For that treatment field: patient position/orientation; MLC position/rotation, MLC shape
<b>Deformable</b>	<b>Two</b>	<b>One - from the same angle as the treatment field</b>	For all treatment fields: patients position/orientation; MLC position/rotation
<b>Rigid</b>	<b>One</b>	<b>One - from the same angle as the treatment field</b>	For that treatment field: patient/MLC position

**FIG. 13**



1430

1410

1420

FIG. 14

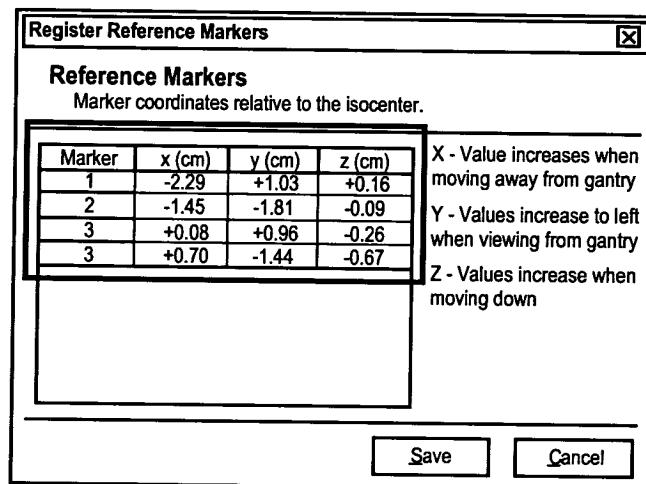


FIG. 15